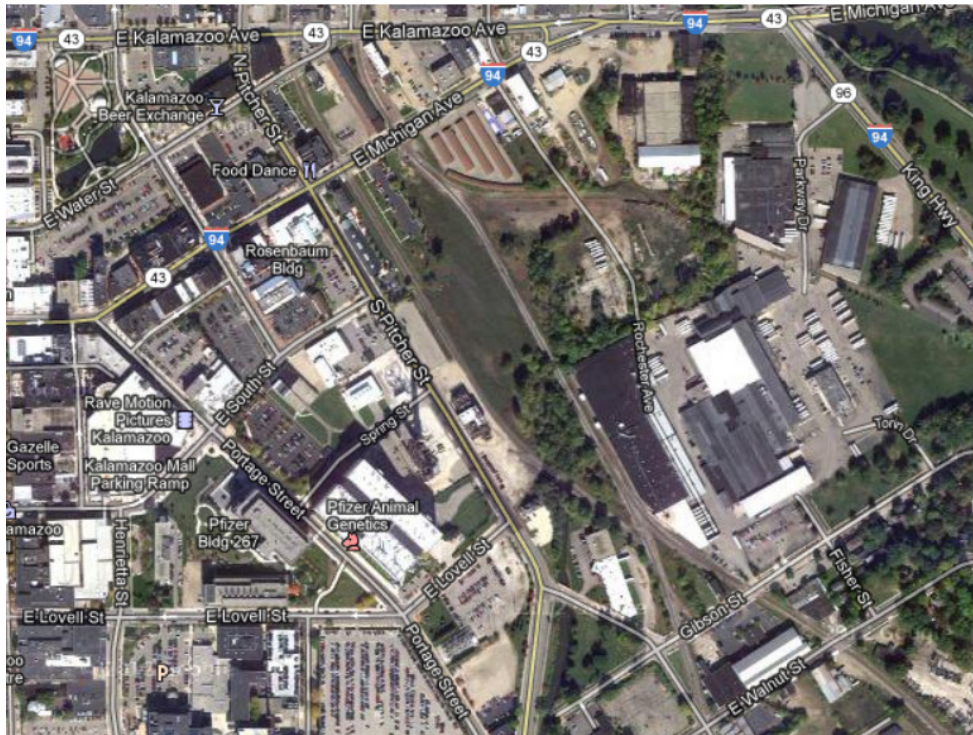


Portage Creek Sediment Remediation Project Kalamazoo, Michigan

Post-Sediment Removal Structure Feature Assessment Removal Area SA3-A



Prepared For:



Prepared By:



F&V Project Number: 809930
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General Notes:

- The Post-Sediment Removal Structural Feature Assessment is based on observable conditions at the time of assessment and is not a guarantee of the condition of the various structures or an evaluation of the potential for long term impacts of the sediment removal process.
- No testing of materials or other in-depth evaluation was performed as part of the assessment.
- Structures are numbered corresponding to the Pre-Sediment Removal Structural Feature Assessment. Refer to the corresponding report for comparison of pre- and post-sediment removal conditions.

Designation: SA3-A-S01

Location: SA3-A-S01 is a series of 3 railroad bridges at the south end of area SA3.

Description: SA3-A-S01 is a series of 3 railroad bridges two carrying tracks and the 3rd a supplemental structure. The bridges have timber pile bents and timber pile and lagging abutments. The structures carrying tracks have riveted steel girders (timber beams on the supplemental structure), which support the timber railroad ties, steel track and steel grating.

Assessment Findings:

- The failed conduit along the north side of the structure appears to be unchanged.
- The structure does not appear to have been impacted during sediment removal.



Structure viewed from track level



Elevation view of the structure



View of the failed conduit on the north side of the structure

Designation: SA3-A-S02

Location: SA3-A-S02 was located in the east Portage Creek floodplain area, approximately 25' north of the railroad structure at the south end of SA3-A.

Description: SA3-A-S02 was a timber pole with steel guy wire and anchorage.

Assessment Findings:

- The area has been cleared and the pole and guy removed.



View of previous pole and guy location

Designation: SA3-A-S03

Location: SA3-A-S03 was located on the west bank of Portage Creek, approximately 50' north of the railroad structure at the south end of SA3-A.

Description: SA3-A-S03 was a series of concrete slabs placed as riprap.

Assessment Findings:

- The structure has been removed and bank restored.



View of the west bank in the area of the previous structure

Designation: SA3-A-S04

Location: SA3-A-S04 is located 50' south of the railroad structure at the north end of SA3-A.

Description: SA3-A-S04 is an abandoned railroad bridge. The structure is composed of timber pile bents, timber pile and lagging abutments and timber beams.

Assessment Findings:

- Debris caught on the upstream side of the structure has been removed.
- The structure does not appear to have been impacted during sediment removal.



View of the structure looking north



Elevation view of the structure from the west bank

Designation: SA3-A-S05

Location: SA3-A-S05 is located at the north end of SA3-A.

Description: SA3-A-S05 is a railroad bridge over Portage Creek. The structure has steel track supported on timber ties, which are carried by riveted steel girders. The structure has timber railings and concrete abutments.

Assessment Findings:

- The structure does not appear to have been impacted during sediment removal.



View of structure from approach track



Elevation view of structure